# Gulf of Mexico Harmful Algal Bloom Bulletin

4 December 2007

NOAA Ocean Service

NOAA Satellites and Information Service

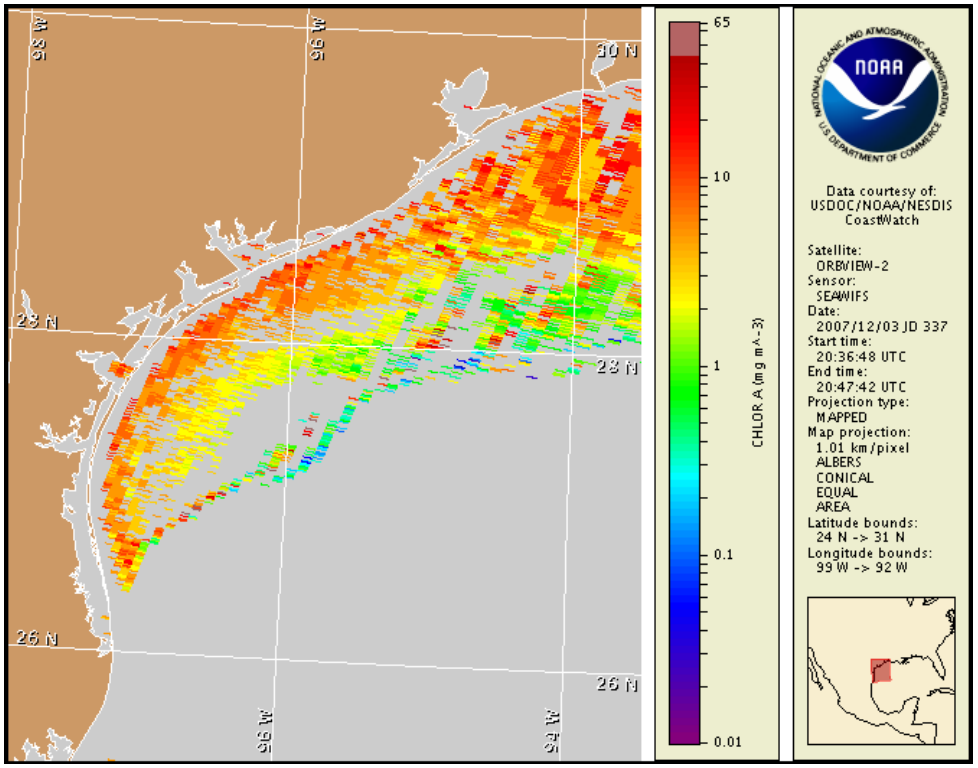
Last bulletin: November 27, 2007

## Conditions Report

There have been no recent reports of red tide. No impacts are expected along the Texas coast.

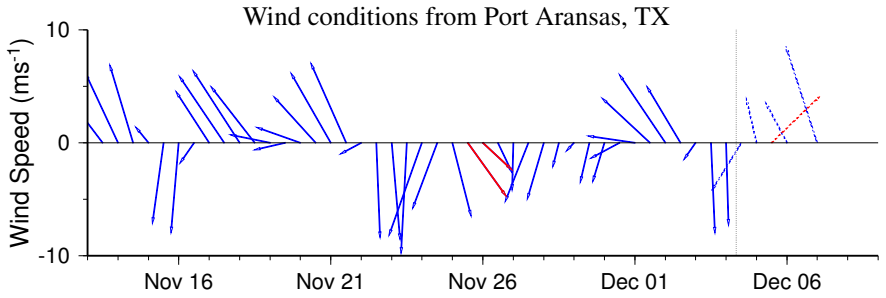
## Analysis

Cloudy imagery over the past week has made analysis difficult. Imagery shows elevated chlorophyll along the entire Texas coast,which may be related to the Mississippi River Plume. There have been no recent reports of red tide. -- Lopez, Wynne



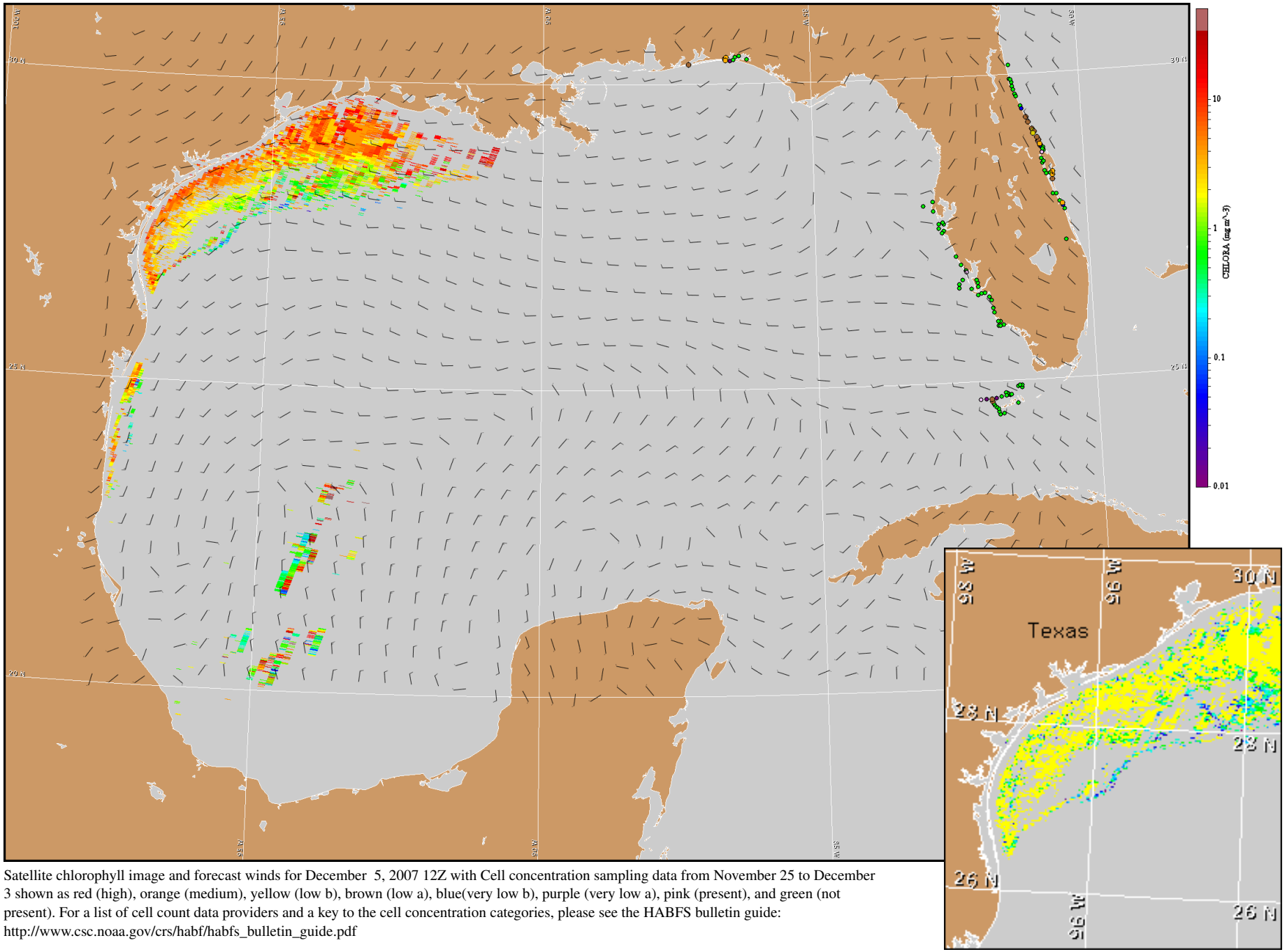

Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from November 25 to December 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf




Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Today, winds will be northwest at less than 10 knots becoming east in the afternoon. Wednesday, southwest winds 5-10 knots. Thursday, southwest winds 10-20 knots becoming south/southeast on Friday.




Satellite chlorophyll image and forecast winds for December 5, 2007 12Z with Cell concentration sampling data from November 25 to December 3 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).